

**United States Department of Agriculture
Natural Resources Conservation Service**

**Classification and Correlation
of the Soils of
Harrison County, Indiana**

A subset of Major Land Resource Areas 120B, 120C and 122

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This correlation is based on: random ten-point transect data, pedon descriptions and field notes, updated soil maps, and laboratory data. All flood plain and terrace landforms and all Bartle map units within Harrison Co. were field examined.

Headnote for Detailed Soil Survey Legend

This Soil Survey Legend is part of the Indiana State Legend and MLRA Regional Legend. Map symbols consist of a combination of letters, or letters and numbers. The initial one to three letters represents the map unit. A capital letter following the first three letters indicates a slope phase. Map symbols without a slope letter are for miscellaneous areas. Symbols ending with a number indicate an erosion class (2-moderate, 3-severe, 4-very severe). A second capital letter indicates inundation phases or other soil phases. They are H-frequently flooded brief duration, K-occasionally flooded brief duration, W-occasionally flooded very brief duration, Q-rarely flooded, and P-ponded.

Soil Correlation of Harrison County, Indiana

Field and Publication Names and Symbols

(Footnotes indicate field symbols that were correlated to more than one approved map unit. See pages 13 & 14.)

Field symbols	Field map unit name	Publication symbol	Approved map unit name
AeoB2	Alford silt loam, 2 to 6 percent slopes, eroded	AeoB2	Alford silt loam, 2 to 6 percent slopes, eroded
AfB	Alford silt loam, 2 to 6 percent slopes	AeoB2	Alford silt loam, 2 to 6 percent slopes, eroded
AeoC2	Alford silt loam, 6 to 12 percent slopes, eroded	AeoC2	Alford silt loam, 6 to 12 percent slopes, eroded
AfC2(1)	Alford silt loam, 6 to 12 percent slopes, eroded	AeoC2	Alford silt loam, 6 to 12 percent slopes, eroded
AgzB	Apalona-Zanesville silt loams, 2 to 6 percent slopes	AgzB	Apalona-Zanesville silt loams, 2 to 6 percent slopes
TlB2(11)	Tilsit silt loam, 2 to 6 percent slopes, eroded	AgzB	Apalona-Zanesville silt loams, 2 to 6 percent slopes
Ba(15)	Bartle silt loam	BbhA	Bartle silt loam, 0 to 2 percent slopes
BbhA	Bartle silt loam, 0 to 2 percent slopes	BbhA	Bartle silt loam, 0 to 2 percent slopes
BcrAW	Beanblossom silt loam, 1 to 3 percent slopes, occasionally flooded, very brief duration	BcrAW	Beanblossom silt loam, 1 to 3 percent slopes, occasionally flooded, very brief duration
Hm(18)	Haymond silt loam, frequently flooded	BcrAW	Beanblossom silt loam, 1 to 3 percent slopes, occasionally flooded, very brief duration
BdA	Bedford silt loam, 0 to 2 percent slopes	BdoA	Bedford silt loam, 0 to 2 percent slopes
BdoA	Bedford silt loam, 0 to 2 percent slopes	BdoA	Bedford silt loam, 0 to 2 percent slopes
BnA	Bedford silt loam, 0 to 2 percent slopes	BdoA	Bedford silt loam, 0 to 2 percent slopes
BdB2	Bedford silt loam, 2 to 6 percent slopes, eroded	BdoB	Bedford silt loam, 2 to 6 percent slopes
BdoB	Bedford silt loam, 2 to 6 percent slopes	BdoB	Bedford silt loam, 2 to 6 percent slopes
BnB2	Bedford silt loam, 2 to 6 percent slopes, eroded	BdoB	Bedford silt loam, 2 to 6 percent slopes
BnB3	Bedford silt loam, 2 to 6 percent slopes, severely eroded	BdoB	Bedford silt loam, 2 to 6 percent slopes
BkeC2	Bloomfield-Alvin complex, 6 to 15 percent slopes, eroded	BkeC2	Bloomfield-Alvin complex, 6 to 15 percent slopes, eroded
PrC2	Princeton fine sandy loam, 6 to 12 percent slopes, eroded	BkeC2	Bloomfield-Alvin complex, 6 to 15 percent slopes, eroded
PrD2	Princeton fine sandy loam, 12 to 18 percent slopes, eroded	BkeC2	Bloomfield-Alvin complex, 6 to 15 percent slopes, eroded
Ba(2)	Bartle silt loam	BuoA	Bromer silt loam, 0 to 2 percent slopes
BuoA	Bromer silt loam, 0 to 2 percent slopes	BuoA	Bromer silt loam, 0 to 2 percent slopes

Soil Correlation of Harrison County, Indiana - continued

Field symbols	Field map unit name	Publication symbol	Approved map unit name
AfF2(10)	Alford silt loam, 18 to 35 percent slopes, eroded	BvsG	Brussels-Rock outcrop complex, 35 to 90 percent slopes, rubbly
BvsG	Brussels-Rock outcrop complex, 35 to 90 percent slopes, rubbly	BvsG	Brussels-Rock outcrop complex, 35 to 90 percent slopes, rubbly
CoF(10)	Corydon-Rock outcrop complex, 20 to 60 percent slopes	BvsG	Brussels-Rock outcrop complex, 35 to 90 percent slopes, rubbly
AfF2(2)	Alford silt loam, 18 to 35 percent slopes, eroded	CbrD2	Caneyville-Haggatt-Knobcreek silt loams, karst, hilly, eroded
CbrD2	Caneyville-Haggatt-Knobcreek silt loams, karst, hilly, eroded	CbrD2	Caneyville-Haggatt-Knobcreek silt loams, karst, hilly, eroded
HaD2	Hagerstown silt loam, karst, 12 to 18 percent slopes, eroded	CbrD2	Caneyville-Haggatt-Knobcreek silt loams, karst, hilly, eroded
HaE2	Hagerstown silt loam, 18 to 25 percent slopes, eroded	CbrD2	Caneyville-Haggatt-Knobcreek silt loams, karst, hilly, eroded
CbsD3	Caneyville-Haggatt-Knobcreek complex, karst, hilly, severely eroded	CbsD3	Caneyville-Haggatt-Knobcreek complex, karst, hilly, severely eroded
HgD3	Hagerstown silty clay loam, karst, 12 to 18 percent slopes, severely eroded	CbsD3	Caneyville-Haggatt-Knobcreek complex, karst, hilly, severely eroded
HgE3	Hagerstown silty clay loam, 18 to 25 percent slopes, severely eroded	CbsD3	Caneyville-Haggatt-Knobcreek complex, karst, hilly, severely eroded
BtD5(6)	Baxter silty clay loam, 6 to 25 percent slopes, gullied	CbxD4	Caneyville-Haggatt complex, karst, rolling, very severely eroded, very rocky
CbxD4	Caneyville-Haggatt complex, karst, rolling, very severely eroded, very rocky	CbxD4	Caneyville-Haggatt complex, karst, rolling, very severely eroded, very rocky
AfF2(9)	Alford silt loam, 18 to 35 percent slopes, eroded	CcaG	Caneyville-Rock outcrop complex, 25 to 60 percent slopes
BeF2(9)	Baxter gravelly silt loam, 25 to 35 percent slopes, eroded	CcaG	Caneyville-Rock outcrop complex, 25 to 60 percent slopes
CcaG	Caneyville-Rock outcrop complex, 25 to 60 percent slopes	CcaG	Caneyville-Rock outcrop complex, 25 to 60 percent slopes
CoF(9)	Corydon-Rock outcrop complex, 20 to 60 percent slopes	CcaG	Caneyville-Rock outcrop complex, 25 to 60 percent slopes
UoG	Udorthents-Rock outcrop complex, 25 to 90 percent slopes	CcaG	Caneyville-Rock outcrop complex, 25 to 60 percent slopes
BcB2	Baxter silt loam, 2 to 6 percent slopes, eroded	CtaB	Crider silt loam, karst, undulating
BlB3	Baxter silty clay loam, 2 to 6 percent slopes, severely eroded	CtaB	Crider silt loam, karst, undulating
CkB2	Crider silt loam, karst, undulating, eroded	CtaB	Crider silt loam, karst, undulating
CrB2(2)	Crider silt loam, 2 to 6 percent slopes, eroded	CtaB	Crider silt loam, karst, undulating

Soil Correlation of Harrison County, Indiana - continued

Field symbols	Field map unit name	Publication symbol	Approved map unit name
CsB3(2)	Crider silt loam, 2 to 6 percent slopes, severely eroded	CtaB	Crider silt loam, karst, undulating
CtaB	Crider silt loam, karst, undulating	CtaB	Crider silt loam, karst, undulating
BbC2(2)	Baxter silt loam, karst, 6 to 12 percent slopes, eroded	CteC2	Crider-Vertrees silt loams, karst, rolling, eroded
BfC2(2)	Baxter gravelly silt loam, karst, 6 to 12 percent slopes, eroded	CteC2	Crider-Vertrees silt loams, karst, rolling, eroded
CrC2(2)	Crider silt loam, 6 to 12 percent slopes, eroded	CteC2	Crider-Vertrees silt loams, karst, rolling, eroded
CtC2(2)	Crider silt loam, karst, 6 to 12 percent slopes, eroded	CteC2	Crider-Vertrees silt loams, karst, rolling, eroded
CteC2	Crider-Vertrees silt loams, karst, rolling, eroded	CteC2	Crider-Vertrees silt loams, karst, rolling, eroded
CrB2(7)	Crider silt loam, 2 to 6 percent slopes, eroded	CtwB	Crider-Bedford-Navilleton silt loams, 2 to 6 percent slopes
CtwB	Crider-Bedford-Navilleton silt loams, 2 to 6 percent slopes	CtwB	Crider-Bedford-Navilleton silt loams, 2 to 6 percent slopes
DeaC2	Deuchars-Apalona-Wellston silt loams, 6 to 12 percent slopes, eroded	DeaC2	Deuchars-Apalona-Wellston silt loams, 6 to 12 percent slopes, eroded
WeC2(11)	Wellston silt loam, 6 to 12 percent slopes, eroded	DeaC2	Deuchars-Apalona-Wellston silt loams, 6 to 12 percent slopes, eroded
ZaC2(11)	Zanesville silt loam, 6 to 12 percent slopes, eroded	DeaC2	Deuchars-Apalona-Wellston silt loams, 6 to 12 percent slopes, eroded
DeaC3	Deuchars-Apalona-Wellston silt loams, 6 to 12 percent slopes, severely eroded	DeaC3	Deuchars-Apalona-Wellston silt loams, 6 to 12 percent slopes, severely eroded
WeC3(11)	Wellston silt loam, 6 to 12 percent slopes, severely eroded	DeaC3	Deuchars-Apalona-Wellston silt loams, 6 to 12 percent slopes, severely eroded
ZaC3(11)	Zanesville silt loam, 6 to 12 percent slopes, severely eroded	DeaC3	Deuchars-Apalona-Wellston silt loams, 6 to 12 percent slopes, severely eroded
EbhD2	Ebal-Gilpin-Wellston silt loams, 10 to 22 percent slopes, eroded	EbhD2	Ebal-Gilpin-Wellston silt loams, 10 to 22 percent slopes, eroded
GlD2	Gilpin silt loam, 12 to 18 percent slopes, eroded	EbhD2	Ebal-Gilpin-Wellston silt loams, 10 to 22 percent slopes, eroded
GlE2(11)	Gilpin silt loam, 18 to 25 percent slopes, eroded	EbhD2	Ebal-Gilpin-Wellston silt loams, 10 to 22 percent slopes, eroded
WeD2(11)	Wellston silt loam, 12 to 18 percent slopes, eroded	EbhD2	Ebal-Gilpin-Wellston silt loams, 10 to 22 percent slopes, eroded
ZaD2(11)	Zanesville silt loam, 12 to 18 percent slopes, eroded	EbhD2	Ebal-Gilpin-Wellston silt loams, 10 to 22 percent slopes, eroded
EbhD3	Ebal-Gilpin-Wellston silt loams, 10 to 22 percent slopes, severely eroded	EbhD3	Ebal-Gilpin-Wellston silt loams, 10 to 22 percent slopes, severely eroded

Soil Correlation of Harrison County, Indiana - continued

Field symbols	Field map unit name	Publication symbol	Approved map unit name
G1D3	Gilpin silt loam, 12 to 20 percent slopes, severely eroded	EbhD3	Ebal-Gilpin-Wellston silt loams, 10 to 22 percent slopes, severely eroded
GuD5	Gilpin silt loam, 6 to 25 percent slopes, gullied	EbhD3	Ebal-Gilpin-Wellston silt loams, 10 to 22 percent slopes, severely eroded
WeD3(11)	Wellston silt loam, 12 to 18 percent slopes, severely eroded	EbhD3	Ebal-Gilpin-Wellston silt loams, 10 to 22 percent slopes, severely eroded
EepA	Elkinsville silt loam, 0 to 2 percent slopes	EepA	Elkinsville silt loam, 0 to 2 percent slopes
ElA(15)	Elkinsville silt loam, 0 to 2 percent slopes	EepA	Elkinsville silt loam, 0 to 2 percent slopes
EepB2	Elkinsville silt loam, 2 to 6 percent slopes, eroded	EepB2	Elkinsville silt loam, 2 to 6 percent slopes, eroded
ElB2(15)	Elkinsville silt loam, 2 to 6 percent slopes, eroded	EepB2	Elkinsville silt loam, 2 to 6 percent slopes, eroded
EepC2	Elkinsville silt loam, 6 to 12 percent slopes, eroded	EepC2	Elkinsville silt loam, 6 to 12 percent slopes, eroded
ElC2	Elkinsville silt loam, 6 to 12 percent slopes, eroded	EepC2	Elkinsville silt loam, 6 to 12 percent slopes, eroded
ElC3	Elkinsville silt loam, 6 to 12 percent slopes, severely eroded	EepC2	Elkinsville silt loam, 6 to 12 percent slopes, eroded
EesA	Elkinsville-Millstone complex, 0 to 2 percent slopes	EesA	Elkinsville-Millstone complex, 0 to 2 percent slopes
WgA	Wheeling silt loam, 0 to 2 percent slopes	EesA	Elkinsville-Millstone complex, 0 to 2 percent slopes
EesB	Elkinsville-Millstone complex, 2 to 6 percent slopes	EesB	Elkinsville-Millstone complex, 2 to 6 percent slopes
WgB2	Wheeling silt loam, 2 to 6 percent slopes, eroded	EesB	Elkinsville-Millstone complex, 2 to 6 percent slopes
AfC2(15)	Alford silt loam, 6 to 12 percent slopes, eroded	EesC2	Elkinsville-Millstone complex, 6 to 12 percent slopes, eroded
EesC2	Elkinsville-Millstone complex, 6 to 12 percent slopes, eroded	EesC2	Elkinsville-Millstone complex, 6 to 12 percent slopes, eroded
WhC2	Wheeling loam, 6 to 12 percent slopes, eroded	EesC2	Elkinsville-Millstone complex, 6 to 12 percent slopes, eroded
WhC3	Wheeling loam, 6 to 12 percent slopes, severely eroded	EesC2	Elkinsville-Millstone complex, 6 to 12 percent slopes, eroded
AfF2(15)	Alford silt loam, 18 to 35 percent slopes, eroded	EesFQ	Elkinsville-Millstone complex, 18 to 40 percent slopes, rarely flooded
EesFQ	Elkinsville-Millstone complex, 18 to 40 percent slopes, rarely flooded	EesFQ	Elkinsville-Millstone complex, 18 to 40 percent slopes, rarely flooded
WhE2	Wheeling loam, 12 to 25 percent slopes, eroded	EesFQ	Elkinsville-Millstone complex, 18 to 40 percent slopes, rarely flooded

Soil Correlation of Harrison County, Indiana - continued

Field symbols	Field map unit name	Publication symbol	Approved map unit name
GacAW	Gatchel loam, 0 to 2 percent slopes, occasionally flooded, very brief duration	GacAW	Gatchel loam, 0 to 2 percent slopes, occasionally flooded, very brief duration
GbgB2	Gatton silt loam, 2 to 6 percent slopes, eroded	GbgB2	Gatton silt loam, 2 to 6 percent slopes, eroded
TlB2(12)	Tilsit silt loam, 2 to 6 percent slopes, eroded	GbgB2	Gatton silt loam, 2 to 6 percent slopes, eroded
GbgC2	Gatton silt loam, 6 to 12 percent slopes, eroded	GbgC2	Gatton silt loam, 6 to 12 percent slopes, eroded
WeC2(12)	Wellston silt loam, 6 to 12 percent slopes, eroded	GbgC2	Gatton silt loam, 6 to 12 percent slopes, eroded
ZaC2(12)	Zanesville silt loam, 6 to 12 percent slopes, eroded	GbgC2	Gatton silt loam, 6 to 12 percent slopes, eroded
GbgC3	Gatton silt loam, 6 to 12 percent slopes, severely eroded	GbgC3	Gatton silt loam, 6 to 12 percent slopes, severely eroded
WeC3(12)	Wellston silt loam, 6 to 12 percent slopes, severely eroded	GbgC3	Gatton silt loam, 6 to 12 percent slopes, severely eroded
ZaC3(12)	Zanesville silt loam, 6 to 12 percent slopes, severely eroded	GbgC3	Gatton silt loam, 6 to 12 percent slopes, severely eroded
GfcF	Gilpin-Tipsaw-Ebal complex, 18 to 35 percent slopes, stony	GfcF	Gilpin-Tipsaw-Ebal complex, 18 to 35 percent slopes, stony
GpF	Gilpin-Berks complex, 18 to 30 percent slopes	GfcF	Gilpin-Tipsaw-Ebal complex, 18 to 35 percent slopes, stony
WbF(11)	Weikert-Berks channery silt loams, 35 to 60 percent slopes	GfcF	Gilpin-Tipsaw-Ebal complex, 18 to 35 percent slopes, stony
GgbG	Gilwood-Brownstown silt loams, 25 to 75 percent slopes	GgbG	Gilwood-Brownstown silt loams, 25 to 75 percent slopes
WbF(13)	Weikert-Berks channery silt loams, 35 to 60 percent slopes	GgbG	Gilwood-Brownstown silt loams, 25 to 75 percent slopes
GmaG	Gnawbone-Kurtz silt loams, 20 to 60 percent slopes	GmaG	Gnawbone-Kurtz silt loams, 20 to 60 percent slopes
WbF(14)	Weikert-Berks channery silt loams, 35 to 60 percent slopes	GmaG	Gnawbone-Kurtz silt loams, 20 to 60 percent slopes
HcaA	Hatfield silt loam, 0 to 2 percent slopes	HcaA	Hatfield silt loam, 0 to 2 percent slopes
Wc(16)	Weinbach silt loam	HcaA	Hatfield silt loam, 0 to 2 percent slopes
HcgAH	Haymond silt loam, 0 to 2 percent slopes, frequently flooded, brief duration	HcgAH	Haymond silt loam, 0 to 2 percent slopes, frequently flooded, brief duration
Hm(20)	Haymond silt loam, frequently flooded	HcgAH	Haymond silt loam, 0 to 2 percent slopes, frequently flooded, brief duration
HcgAW	Haymond silt loam, 0 to 2 percent slopes, occasionally flooded, very brief duration	HcgAW	Haymond silt loam, 0 to 2 percent slopes, occasionally flooded, very brief duration

Soil Correlation of Harrison County, Indiana - continued

Field symbols	Field map unit name	Publication symbol	Approved map unit name
Hm(21)	Haymond silt loam, frequently flooded	HcgAW	Haymond silt loam, 0 to 2 percent slopes, occasionally flooded, very brief duration
HcpAP	Haymond silt loam, depression, 0 to 2 percent slopes, frequently ponded, very brief duration	HcpAP	Haymond silt loam, depression, 0 to 2 percent slopes, frequently ponded, very brief duration
Ho	Haymond silt loam, sinkhole	HcpAP	Haymond silt loam, depression, 0 to 2 percent slopes, frequently ponded, very brief duration
Hu(20)	Huntington silt loam, frequently flooded	HufAH	Huntington silt loam, 0 to 2 percent slopes, frequently flooded, brief duration
HufAH	Huntington silt loam, 0 to 2 percent slopes, frequently flooded, brief duration	HufAH	Huntington silt loam, 0 to 2 percent slopes, frequently flooded, brief duration
Hu(21)	Huntington silt loam, frequently flooded	HufAK	Huntington silt loam, 0 to 2 percent slopes, occasionally flooded, brief duration
HufAK	Huntington silt loam, 0 to 2 percent slopes, occasionally flooded, brief duration	HufAK	Huntington silt loam, 0 to 2 percent slopes, occasionally flooded, brief duration
Jo	Johnsburg silt loam	JoaA	Johnsburg silt loam, 0 to 2 percent slopes
JoaA	Johnsburg silt loam, 0 to 2 percent slopes	JoaA	Johnsburg silt loam, 0 to 2 percent slopes
Hm(19)	Haymond silt loam, frequently flooded	KunAW	Kintner loam, 1 to 3 percent slopes, occasionally flooded, very brief duration
KunAW	Kintner loam, 1 to 3 percent slopes, occasionally flooded, very brief duration	KunAW	Kintner loam, 1 to 3 percent slopes, occasionally flooded, very brief duration
BcC2	Baxter silt loam, 6 to 12 percent slopes, eroded	KxkC2	Knobcreek-Navilleton silt loams, 6 to 12 percent slopes, eroded
BeC2	Baxter gravelly silt loam, 6 to 12 percent slopes, eroded	KxkC2	Knobcreek-Navilleton silt loams, 6 to 12 percent slopes, eroded
CrC2(7)	Crider silt loam, 6 to 12 percent slopes, eroded	KxkC2	Knobcreek-Navilleton silt loams, 6 to 12 percent slopes, eroded
KxkC2	Knobcreek-Navilleton silt loams, 6 to 12 percent slopes, eroded	KxkC2	Knobcreek-Navilleton silt loams, 6 to 12 percent slopes, eroded
BkC3(7)	Baxter silty clay loam, karst, 6 to 12 percent slopes, severely eroded	KxlC3	Knobcreek-Haggatt-Caneyville complex, 6 to 12 percent slopes, severely eroded
BlC3(7)	Baxter silty clay loam, 6 to 12 percent slopes, severely eroded	KxlC3	Knobcreek-Haggatt-Caneyville complex, 6 to 12 percent slopes, severely eroded
BmC3(7)	Baxter gravelly silty clay loam, 6 to 12 percent slopes, severely eroded	KxlC3	Knobcreek-Haggatt-Caneyville complex, 6 to 12 percent slopes, severely eroded
BpC3(7)	Baxter gravelly silty clay loam, karst, 6 to 12 percent slopes, severely eroded	KxlC3	Knobcreek-Haggatt-Caneyville complex, 6 to 12 percent slopes, severely eroded
CsC3(7)	Crider silt loam, 6 to 12 percent slopes, severely eroded	KxlC3	Knobcreek-Haggatt-Caneyville complex, 6 to 12 percent slopes, severely eroded
CtC3(7)	Crider silt loam, karst, 6 to 12 percent slopes, severely eroded	KxlC3	Knobcreek-Haggatt-Caneyville complex, 6 to 12 percent slopes, severely eroded

Soil Correlation of Harrison County, Indiana - continued

Field symbols	Field map unit name	Publication symbol	Approved map unit name
KxlC3	Knobcreek-Haggatt-Caneyville complex, 6 to 12 percent slopes, severely eroded	KxlC3	Knobcreek-Haggatt-Caneyville complex, 6 to 12 percent slopes, severely eroded
BmD3(7)	Baxter gravelly silty clay loam, 12 to 18 percent slopes, severely eroded	KxlE3	Knobcreek-Haggatt-Caneyville complex, 12 to 25 percent slopes, severely eroded
BmE3(7)	Baxter gravelly silty clay loam, 18 to 25 percent slopes, severely eroded	KxlE3	Knobcreek-Haggatt-Caneyville complex, 12 to 25 percent slopes, severely eroded
BpD3(7)	Baxter gravelly silty clay loam, karst, 12 to 18 percent slopes, severely eroded	KxlE3	Knobcreek-Haggatt-Caneyville complex, 12 to 25 percent slopes, severely eroded
KxlE3	Knobcreek-Haggatt-Caneyville complex, 12 to 25 percent slopes, severely eroded	KxlE3	Knobcreek-Haggatt-Caneyville complex, 12 to 25 percent slopes, severely eroded
BcD2(7)	Baxter silt loam, 12 to 18 percent slopes, eroded	KxmE2	Knobcreek-Haggatt-Caneyville silt loams, 12 to 25 percent slopes, eroded
BeD2(7)	Baxter gravelly silt loam, 12 to 18 percent slopes, eroded	KxmE2	Knobcreek-Haggatt-Caneyville silt loams, 12 to 25 percent slopes, eroded
BeF2(7)	Baxter gravelly silt loam, 25 to 35 percent slopes, eroded	KxmE2	Knobcreek-Haggatt-Caneyville silt loams, 12 to 25 percent slopes, eroded
KxmE2	Knobcreek-Haggatt-Caneyville silt loams, 12 to 25 percent slopes, eroded	KxmE2	Knobcreek-Haggatt-Caneyville silt loams, 12 to 25 percent slopes, eroded
BbC2(4)	Baxter silt loam, karst, 6 to 12 percent slopes, eroded	KxoC2	Knobcreek-Navilleton-Haggatt silt loams, karst, rolling, eroded
BfC2(4)	Baxter gravelly silt loam, karst, 6 to 12 percent slopes, eroded	KxoC2	Knobcreek-Navilleton-Haggatt silt loams, karst, rolling, eroded
CtC2(4)	Crider silt loam, karst, 6 to 12 percent slopes, eroded	KxoC2	Knobcreek-Navilleton-Haggatt silt loams, karst, rolling, eroded
KxoC2	Knobcreek-Navilleton-Haggatt silt loams, karst, rolling, eroded	KxoC2	Knobcreek-Navilleton-Haggatt silt loams, karst, rolling, eroded
BcD2(4)	Baxter silt loam, 12 to 18 percent slopes, eroded	KxpD2	Knobcreek-Haggatt-Caneyville silt loams, karst, hilly, eroded
BeE2(4)	Baxter gravelly silt loam, 18 to 25 percent slopes, eroded	KxpD2	Knobcreek-Haggatt-Caneyville silt loams, karst, hilly, eroded
BeF2(4)	Baxter gravelly silt loam, 25 to 35 percent slopes, eroded	KxpD2	Knobcreek-Haggatt-Caneyville silt loams, karst, hilly, eroded
BfD2(4)	Baxter gravelly silt loam, karst, 12 to 18 percent slopes, eroded	KxpD2	Knobcreek-Haggatt-Caneyville silt loams, karst, hilly, eroded
KxpD2	Knobcreek-Haggatt-Caneyville silt loams, karst, hilly, eroded	KxpD2	Knobcreek-Haggatt-Caneyville silt loams, karst, hilly, eroded
BkC3(4)	Baxter silty clay loam, karst, 6 to 12 percent slopes, severely eroded	KxrC3	Knobcreek-Navilleton-Haggatt complex, karst, rolling, severely eroded
BpC3(4)	Baxter gravelly silty clay loam, karst, 6 to 12 percent slopes, severely eroded	KxrC3	Knobcreek-Navilleton-Haggatt complex, karst, rolling, severely eroded
CtC3(4)	Crider silt loam, karst, 6 to 12 percent slopes, severely eroded	KxrC3	Knobcreek-Navilleton-Haggatt complex, karst, rolling, severely eroded

Soil Correlation of Harrison County, Indiana - continued

Field symbols	Field map unit name	Publication symbol	Approved map unit name
KxrC3	Knobcreek-Navilleton-Haggatt complex, karst, rolling, severely eroded	KxrC3	Knobcreek-Navilleton-Haggatt complex, karst, rolling, severely eroded
BmE3(4)	Baxter gravelly silty clay loam, 18 to 25 percent slopes, severely eroded	KxsD3	Knobcreek-Haggatt-Caneyville complex, karst, hilly, severely eroded
BpD3(4)	Baxter gravelly silty clay loam, karst, 12 to 18 percent slopes, severely eroded	KxsD3	Knobcreek-Haggatt-Caneyville complex, karst, hilly, severely eroded
KxsD3	Knobcreek-Haggatt-Caneyville complex, karst, hilly, severely eroded	KxsD3	Knobcreek-Haggatt-Caneyville complex, karst, hilly, severely eroded
AfC2(2)	Alford silt loam 6 to 12 percent slopes, eroded	KxtC2	Knobcreek-Haggatt-Caneyville silt loams, karst, rolling, eroded
CtC2(3)	Crider silt loam, karst, 6 to 12 percent slopes, eroded	KxtC2	Knobcreek-Haggatt-Caneyville silt loams, karst, rolling, eroded
HaC2	Hagerstown silt loam, karst, 6 to 12 percent slopes, eroded	KxtC2	Knobcreek-Haggatt-Caneyville silt loams, karst, rolling, eroded
HuC2	Haggatt-Knobcreek-Crider silt loams, karst, rolling, eroded	KxtC2	Knobcreek-Haggatt-Caneyville silt loams, karst, rolling, eroded
KxtC2	Knobcreek-Haggatt-Caneyville silt loams, karst, rolling, eroded	KxtC2	Knobcreek-Haggatt-Caneyville silt loams, karst, rolling, eroded
CtC3(3)	Crider silt loam, karst, 6 to 12 percent slopes, severely eroded	KxtC3	Knobcreek-Haggatt-Caneyville silt loams, karst, rolling, severely eroded
HgC3	Hagerstown silty clay loam, karst, 6 to 12 percent slopes, severely eroded	KxtC3	Knobcreek-Haggatt-Caneyville silt loams, karst, rolling, severely eroded
HuC3	Haggatt-Knobcreek-Crider silt loams, karst, rolling severely eroded	KxtC3	Knobcreek-Haggatt-Caneyville silt loams, karst, rolling, severely eroded
KxtC3	Knobcreek-Haggatt-Caneyville silt loams, karst, rolling, severely eroded	KxtC3	Knobcreek-Haggatt-Caneyville silt loams, karst, rolling, severely eroded
Ba(8)	Bartle silt loam	LaaA	Laconia silt loam, 0 to 1 percent slopes
LaaA	Laconia silt loam, 0 to 1 percent slopes	LaaA	Laconia silt loam, 0 to 1 percent slopes
LaaA	Laconia silt loam, 0 to 1 percent slopes	LaaA	Laconia silt loam, 0 to 1 percent slopes
Mo	Montgomery silty clay loam	LaaA	Laconia silt loam, 0 to 1 percent slopes
LpoAK	Lindside silt loam, 0 to 2 percent slopes, occasionally flooded, brief duration	LpoAK	Lindside silt loam, 0 to 2 percent slopes, occasionally flooded, brief duration
LpoAQ	Lindside silt loam, 0 to 2 percent slopes, rarely flooded	LpoAQ	Lindside silt loam, 0 to 2 percent slopes, rarely flooded
PeA(17)	Pekin silt loam, 0 to 2 percent slopes	LpoAQ	Lindside silt loam, 0 to 2 percent slopes, rarely flooded
StaAQ	Steff silt loam, 0 to 2 percent slopes, rarely flooded	LpoAQ	Lindside silt loam, 0 to 2 percent slopes, rarely flooded
MaF	Markland silt loam, 25 to 70 percent slopes	McnGQ	Markland silt loam, 18 to 50 percent slopes, rarely flooded

Soil Correlation of Harrison County, Indiana - continued

Field symbols	Field map unit name	Publication symbol	Approved map unit name
Mc nGQ	Markland silt loam, 18 to 50 percent slopes, rarely flooded	Mc nGQ	Markland silt loam, 18 to 50 percent slopes, rarely flooded
MaD2	Markland silt loam, 8 to 18 percent slopes, eroded	Md1D2	Markland silt loam, 6 to 18 percent slopes, eroded
Md1D2	Markland silt loam, 6 to 18 percent slopes, eroded	Md1D2	Markland silt loam, 6 to 18 percent slopes, eroded
McD3	Markland silty clay loam, 8 to 18 percent slopes, severely eroded	Md wD3	Markland silty clay loam, 6 to 18 percent slopes, severely eroded
Md wD3	Markland silty clay loam, 6 to 18 percent slopes, severely eroded	Md wD3	Markland silty clay loam, 6 to 18 percent slopes, severely eroded
Mg	McGary silt loam	MhuA	McGary silt loam, 0 to 2 percent slopes
MhuA	McGary silt loam, 0 to 2 percent slopes	MhuA	McGary silt loam, 0 to 2 percent slopes
NbhAK	Newark silt loam, 0 to 2 percent slopes, occasionally flooded, brief duration	NbhAK	Newark silt loam, 0 to 2 percent slopes, occasionally flooded, brief duration
Ne	Newark silt loam, frequently flooded	NbhAK	Newark silt loam, 0 to 2 percent slopes, occasionally flooded, brief duration
Ba(17)	Bartle silt loam	NbhAQ	Newark silt loam, 0 to 2 percent slopes, rarely flooded
NbhAQ	Newark silt loam, 0 to 2 percent slopes, rarely flooded	NbhAQ	Newark silt loam, 0 to 2 percent slopes, rarely flooded
RbpAQ	Rahm silt loam, 0 to 2 percent slopes, rarely flooded	NbhAQ	Newark silt loam, 0 to 2 percent slopes, rarely flooded
StdAQ	Stendal silt loam, 0 to 2 percent slopes, rarely flooded	NbhAQ	Newark silt loam, 0 to 2 percent slopes, rarely flooded
Wc(17)	Weinbach silt loam	NbhAQ	Newark silt loam, 0 to 2 percent slopes, rarely flooded
CwaAQ	Cuba silt loam, 0 to 2 percent slopes, rarely flooded	NprAQ	Nolin silt loam, 0 to 2 percent slopes, rarely flooded
ElA(17)	Elkinsville silt loam, 0 to 2 percent slopes	NprAQ	Nolin silt loam, 0 to 2 percent slopes, rarely flooded
NprAQ	Nolin silt loam, 0 to 2 percent slopes, rarely flooded	NprAQ	Nolin silt loam, 0 to 2 percent slopes, rarely flooded
Omz	Udorthents, earthen dam	Omz	Udorthents, earthen dam
PcrA	Pekin silt loam, 0 to 2 percent slopes	PcrA	Pekin silt loam, 0 to 2 percent slopes
PeA(15)	Pekin silt loam, 0 to 2 percent slopes	PcrA	Pekin silt loam, 0 to 2 percent slopes
PcrB2	Pekin silt loam, 2 to 6 percent slopes, eroded	PcrB2	Pekin silt loam, 2 to 6 percent slopes, eroded
PeB2	Pekin silt loam, 2 to 6 percent slopes, eroded	PcrB2	Pekin silt loam, 2 to 6 percent slopes, eroded
MaB2	Markland silt loam, 2 to 6 percent slopes, eroded	PhwB2	Percell silt loam, 2 to 6 percent slopes, eroded

Soil Correlation of Harrison County, Indiana - continued

Field symbols	Field map unit name	Publication symbol	Approved map unit name
PhwB2	Percell silt loam, 2 to 6 percent slopes, eroded	PhwB2	Percell silt loam, 2 to 6 percent slopes, eroded
Pml	Pits, quarry	Pml	Pits, quarry
Qu	Pits, quarries	Pml	Pits, quarry
Pn	Pits, sand and gravel	Ppu	Pits, sand and gravel
Ppu	Pits, sand and gravel	Ppu	Pits, sand and gravel
GlE2(12)	Gilpin silt loam, 18 to 25 percent slopes, eroded	RmcE	Riney loam, 12 to 35 percent slopes
RmcE	Riney loam, 12 to 35 percent slopes	RmcE	Riney loam, 12 to 35 percent slopes
WeD2(12)	Wellston silt loam, 12 to 18 percent slopes, eroded	RmcE	Riney loam, 12 to 35 percent slopes
WeD3(12)	Wellston silt loam, 12 to 18 percent slopes, severely eroded	RmcE	Riney loam, 12 to 35 percent slopes
ZaD2(12)	Zanesville silt loam, 12 to 18 percent slopes, eroded	RmcE	Riney loam, 12 to 35 percent slopes
ScA(16)	Sciotoville silt loam, 0 to 2 percent slopes	ScbA	Sciotoville silt loam, 0 to 2 percent slopes
ScbA	Sciotoville silt loam, 0 to 2 percent slopes	ScbA	Sciotoville silt loam, 0 to 2 percent slopes
ScB2(16)	Sciotoville silt loam, 2 to 6 percent slopes, eroded	ScbB2	Sciotoville silt loam, 2 to 6 percent slopes, eroded
ScbB2	Sciotoville silt loam, 2 to 6 percent slopes, eroded	ScbB2	Sciotoville silt loam, 2 to 6 percent slopes, eroded
SfyB	Shircliff silt loam, 0 to 2 percent slopes	SfyB	Shircliff silt loam, 0 to 2 percent slopes
ElA(23)	Elkinsville silt loam, 0 to 2 percent slopes	Uaa	Udorthents, cut and filled
Uaa	Udorthents, cut and filled	Uaa	Udorthents, cut and filled
Ud	Udorthents, cut and filled	Uaa	Udorthents, cut and filled
ElA(22)	Elkinsville silt loam, 0 to 2 percent slopes	UekAQ	Urban land-Elkinsville-Haymond complex, 0 to 6 percent slopes, rarely flooded
ElB2(22)	Elkinsville silt loam, 2 to 6 percent slopes, eroded	UekAQ	Urban land-Elkinsville-Haymond complex, 0 to 6 percent slopes, rarely flooded
Hm(22)	Haymond silt loam, frequently flooded	UekAQ	Urban land-Elkinsville-Haymond complex, 0 to 6 percent slopes, rarely flooded
PeA(22)	Pekin silt loam, 0 to 2 percent slopes	UekAQ	Urban land-Elkinsville-Haymond complex, 0 to 6 percent slopes, rarely flooded
UekAQ	Urban land-Elkinsville-Haymond complex, 0 to 6 percent slopes, rarely flooded	UekAQ	Urban land-Elkinsville-Haymond complex, 0 to 6 percent slopes, rarely flooded
BcD2(22)	Baxter silt loam, 12 to 18 percent slopes, eroded	UflC	Urban land-Crider-Vertrees complex, karst, rolling

Soil Correlation of Harrison County, Indiana - continued

Field symbols	Field map unit name	Publication symbol	Approved map unit name
BeD2(22)	Baxter gravelly silt loam, 12 to 18 percent slopes, eroded	UflC	Urban land-Crider-Vertrees complex, karst, rolling
BfD2(22)	Baxter gravelly silt loam, karst, 12 to 18 percent slopes, eroded	UflC	Urban land-Crider-Vertrees complex, karst, rolling
BlC3(22)	Baxter silty clay loam, 6 to 12 percent slopes, severely eroded	UflC	Urban land-Crider-Vertrees complex, karst, rolling
BmE3(22)	Baxter gravelly silty clay loam, 18 to 25 percent slopes, severely eroded	UflC	Urban land-Crider-Vertrees complex, karst, rolling
BpD3(22)	Baxter gravelly silty clay loam, karst, 12 to 18 percent slopes, severely eroded	UflC	Urban land-Crider-Vertrees complex, karst, rolling
CrC2(22)	Crider silt loam, 6 to 12 percent slopes, eroded	UflC	Urban land-Crider-Vertrees complex, karst, rolling
CsC3(22)	Crider silt loam, 6 to 12 percent slopes, severely eroded	UflC	Urban land-Crider-Vertrees complex, karst, rolling
UflC	Urban land-Crider-Vertrees complex, karst, rolling	UflC	Urban land-Crider-Vertrees complex, karst, rolling
BbC2(22)	Baxter silt loam, karst, 6 to 12 percent slopes, eroded	UnsB	Urban land-Udarents, clayey substratum complex, hills, 2 to 12 percent slopes
BkC3(22)	Baxter silty clay loam, karst, 6 to 12 percent slopes, severely eroded	UnsB	Urban land-Udarents, clayey substratum complex, hills, 2 to 12 percent slopes
BpC3(22)	Baxter gravelly silty clay loam, karst, 6 to 12 percent slopes, severely eroded	UnsB	Urban land-Udarents, clayey substratum complex, hills, 2 to 12 percent slopes
CtC2(22)	Crider silt loam, karst, 6 to 12 percent slopes, eroded	UnsB	Urban land-Udarents, clayey substratum complex, hills, 2 to 12 percent slopes
CtC3(22)	Crider silt loam, karst, 6 to 12 percent slopes, severely eroded	UnsB	Urban land-Udarents, clayey substratum complex, hills, 2 to 12 percent slopes
UnsB	Urban land-Udarents, clayey substratum complex, hills, 2 to 12 percent slopes	UnsB	Urban land-Udarents, clayey substratum complex, hills, 2 to 12 percent slopes
Usl	Udothents, rubbish	Usl	Udothents, rubbish
BkC3(5)	Baxter silty clay loam, karst, 6 to 12 percent slopes, severely eroded	VcaC3	Vertrees-Crider-Caneyville complex, karst, rolling, severely eroded
BlC3(5)	Baxter silty clay loam, 6 to 12 percent slopes, severely eroded	VcaC3	Vertrees-Crider-Caneyville complex, karst, rolling, severely eroded
BpC3(5)	Baxter gravelly silty clay loam, karst, 6 to 12 percent slopes, severely eroded	VcaC3	Vertrees-Crider-Caneyville complex, karst, rolling, severely eroded
CsB3(5)	Crider silt loam, 2 to 6 percent slopes, severely eroded	VcaC3	Vertrees-Crider-Caneyville complex, karst, rolling, severely eroded
CsC3(5)	Crider silt loam, 6 to 12 percent slopes, severely eroded	VcaC3	Vertrees-Crider-Caneyville complex, karst, rolling, severely eroded
CtC3(5)	Crider silt loam, karst, 6 to 12 percent slopes, severely eroded	VcaC3	Vertrees-Crider-Caneyville complex, karst, rolling, severely eroded

Soil Correlation of Harrison County, Indiana - continued

Field symbols	Field map unit name	Publication symbol	Approved map unit name
VcaC3	Vertrees-Crider-Caneyville complex, karst, rolling, severely eroded	VcaC3	Vertrees-Crider-Caneyville complex, karst, rolling, severely eroded
BbD2	Baxter silt loam, karst, 12 to 18 percent slopes, eroded	VcbD2	Vertrees-Crider-Caneyville silt loams, karst, hilly, eroded
BcD2(2)	Baxter silt loam, 12 to 18 percent slopes, eroded	VcbD2	Vertrees-Crider-Caneyville silt loams, karst, hilly, eroded
BeD2(2)	Baxter gravelly silt loam, 12 to 18 percent slopes, eroded	VcbD2	Vertrees-Crider-Caneyville silt loams, karst, hilly, eroded
BeE2(2)	Baxter gravelly silt loam, 18 to 25 percent slopes, eroded	VcbD2	Vertrees-Crider-Caneyville silt loams, karst, hilly, eroded
BfD2(2)	Baxter gravelly silt loam, karst, 12 to 18 percent slopes, eroded	VcbD2	Vertrees-Crider-Caneyville silt loams, karst, hilly, eroded
VcbD2	Vertrees-Crider-Caneyville silt loams, karst, hilly, eroded	VcbD2	Vertrees-Crider-Caneyville silt loams, karst, hilly, eroded
BmD3(5)	Baxter gravelly silty clay loam, 12 to 18 percent slopes, severely eroded	VccD3	Vertrees-Haggatt-Caneyville complex, karst, hilly, severely eroded
BmE3(5)	Baxter gravelly silty clay loam, 18 to 25 percent slopes, severely eroded	VccD3	Vertrees-Haggatt-Caneyville complex, karst, hilly, severely eroded
BpD3(5)	Baxter gravelly silty clay loam, karst, 12 to 18 percent slopes, severely eroded	VccD3	Vertrees-Haggatt-Caneyville complex, karst, hilly, severely eroded
BtD5(5)	Baxter silty clay loam, 6 to 25 percent slopes, gullied	VccD3	Vertrees-Haggatt-Caneyville complex, karst, hilly, severely eroded
VccD3	Vertrees-Haggatt-Caneyville complex, karst, hilly, severely eroded	VccD3	Vertrees-Haggatt-Caneyville complex, karst, hilly, severely eroded
W	Water	W	Water
No	Newark silt loam, sinkhole	WbkAP	Wilbur-Newark silt loams, depression, 0 to 2 percent slopes, frequently ponded, very brief duration
WbkAP	Wilbur-Newark silt loams, depression, 0 to 2 percent slopes, frequently ponded, very brief duration	WbkAP	Wilbur-Newark silt loams, depression, 0 to 2 percent slopes, frequently ponded, very brief duration
ScA(17)	Sciotoville silt loam, 0 to 2 percent slopes	WycAQ	Woodmere silt loam, 0 to 3 percent slopes, rarely flooded
ScB2(17)	Sciotoville silt loam, 2 to 6 percent slopes, eroded	WycAQ	Woodmere silt loam, 0 to 3 percent slopes, rarely flooded
WycAQ	Woodmere silt loam, 0 to 3 percent slopes, rarely flooded	WycAQ	Woodmere silt loam, 0 to 3 percent slopes, rarely flooded

(Footnotes indicate field symbols that were correlated to more than one approved map unit with the landform and soil properties that were used to separate them.)

Footnotes:

- (1) Uplands with thick loess
- (2) Upland karst, with loess over clayey residuum
- (3) Upland karst, transitional to MLRA 120B
- (4) Upland karst, transitional to MLRA 120C

Footnotes-continued:

- (5) Upland karst, severely eroded
- (6) Upland karst, very severely eroded
- (7) Upland non-karst, transitional to MLRA 120C
- (8) Upland depressions with loess over clayey paleosol
- (9) Upland hillslopes underlain by limestone
- (10) Colluvial hillslopes at the base of bluffs
- (11) Hills and benches in MLRA 120B
- (12) Hills underlain by unconsolidated material derived from sandstone in MLRA 122
- (13) Hills underlain with hard siltstone bedrock in MLRA 120C
- (14) Hills underlain with soft siltstone bedrock in MLRA 120C
- (15) Stream terraces with loess over alluvium
- (16) Stream terraces with alluvium
- (17) Flood-plain steps, rarely flooded
- (18) Narrow flood plains and alluvial fans in MLRA 120C
- (19) Narrow flood plains underlain with hard limestone bedrock in MLRA 122
- (20) Flood plains that are frequently flooded
- (21) Flood plains that are occasionally flooded
- (22) Urban land
- (23) Cut and fill areas

Series Established by this Correlation: Laconia

Series Made Inactive: None

Series correlated in the 1970 Soil Survey that are not correlated in this updated Harrison County Soil Survey, and therefore dropped:
Baxter, Berks, Corydon, Hagerstown, Montgomery, Princeton, Tilsit, Weikert, Weinbach, and Wheeling.

Series not correlated in the 1970 Soil Survey, but correlated in this updated Harrison County Soil Survey, and therefore added:
Alvin, Apalona, Beanblossom, Bloomfield, Bromer, Brownstown, Brussels, Caneyville, Deuchars, Ebal, Gatchel, Gatton, Gilwood, Gnawbone, Haggatt, Hatfield, Kintner, Knobcreek, Kurtz, Lindside, McGary, Millstone, Navilleton, Nolin, Percell, Riney, Shircliff, Tipsaw, Vertrees, Wilbur, and Woodmere.

Cooperators' Names and Credits

Cooperators for the front cover and half-title page are:

United States Department of Agriculture
Natural Resources Conservation Service
in cooperation with the Purdue University
Agricultural Experiment Station

Credits to be given on page ii of the published soil survey are as follows:

This survey was made cooperatively by the Natural Resources Conservation Service and the Purdue University Agricultural Experiment Station. It is part of the technical assistance provided to the Harrison County Soil and Water Conservation District. Financial assistance was made available by the Harrison County Soil and Water Conservation District.

Prior Soil Survey Publications

The last soil survey of Harrison County was completed in 1969 and published by the United States Department of Agriculture, Soil Conservation Service in February 1975. Reference to the prior soil survey will be included in the literature citation of the manuscript. This survey replaces the 1975 Harrison County Soil Survey, and provides additional data, updated soil interpretations, and updated hard copy and digital soil maps at a 1:12,000 scale on an orthophotographic base.

Conventional and Special Symbols Legend

Only those symbols indicated on the NRCS-SOILS-37A (2004) will be Shown on the legend and placed on the digitized soil maps.

<u>Feature</u>	<u>Name</u>	<u>Description</u>
ESB	Escarpment, bedrock	A relatively continuous and steep slope or cliff, which was produced by erosion or faulting, that breaks the general continuity of more gently sloping land surfaces. Exposed material is hard or soft bedrock.
ESO	Escarpment, nonbedrock	A relatively continuous and steep slope or cliff, which generally is produced by erosion but can be produced by faulting, that breaks the continuity of more gently sloping land surfaces. Exposed earthy material is nonsoil or very shallow soil.
MPI	Mine or quarry	An open excavation from which soil and underlying material are removed and bedrock is exposed. Also denotes surface openings to underground mines. Typically 0.2 to 2 acres.
ROC	Rock outcrop	An exposure of bedrock at the surface of the earth. Not used where the named soils of the surrounding map unit are shallow over bedrock or where "Rock outcrop" is a named component of the map unit. Typically 0.2 to 2 acres.
SAN	Sandy spot	A spot where the surface layer is loamy fine sand or coarser in areas where the surface layer of the named soils in the surrounding map unit is very fine sandy loam or finer. Typically 0.2 to 2 acres.
SLP	Short, steep slope	Narrow soil area that has slopes that are at least two slope classes steeper than the slope class of the surrounding map unit.

<u>Feature</u>	<u>Name</u>	<u>Description</u>
SNK	Sinkhole	A closed depression formed either by solution of the surficial rock or by collapse of underlying caves. Typically 0.2 to 2 acres. (Note: SNK-Sinkhole symbol was not used in the karst phases of map units.)
UWT	Unclassified water	Small, natural or man-made lake, pond, or pit that contains water, of an unspecified nature, most of the year
WET	Wet spot	A somewhat poorly drained to very poorly drained area that is at least two drainage classes wetter than the named soils in the surrounding map unit. Typically 0.2 to 2 acres.

FEATURE AND SYMBOL LEGEND FOR SOIL SURVEY

DESCRIPTION	SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION	SYMBOL
SOIL SURVEY FEATURES		CULTURAL FEATURES (Optional)		HYDROGRAPHIC FEATURES (Optional)	
SOIL DELINEATIONS AND LABELS		BOUNDARIES		Drainage end (Indicates direction of flow)	
STANDARD LANDFORM AND MISCELLANEOUS SURFACE FEATURES		National, state or province		Unclassified stream	
Bedrock escarpment		County or parish			
Nonbedrock escarpment		Minor civil division			
Gully		Reservation (Military)			
Levee		Land grant (Optional)			
Short steep slope		Field sheet matchline and neckline			
Blowout		Public Land Survey System Section Corner Tics			
Borrow pit		GEOGRAPHIC COORDINATE TICK			
Clay spot		ROAD EMBLEMS			
Closed depression		Interstate			
Gravel pit		Federal			
Gravelly spot		State			
Landfill		LOCATED OBJECTS			
Marsh or swamp		Airport (Label only)			
Mine or quarry		Davis Airport or Airstrip			
Rock outcrop					
Sandy spot					
Severely eroded spot					
Scrubland					
Slide or slip					
Spoil area					
Stony spot					
Very stony spot					
Wet spot					
AD HOC FEATURES (Describe on back)					
LABEL	SYMBOL ID	SYMBOL	LABEL	SYMBOL ID	SYMBOL
DCS	1		CRD	23	
DKS	2		WIA	24	
QVM	3		CGM	25	
VWS	4		HLL	26	
EAS	5		STD	27	
NAS	6		SD	28	
SAS	7		WVC	29	
CAP	8		WVC	30	
CAL	9		WVC	31	
SLR	10		WVC	32	
DUV	11		WVC	33	
BRV	12		WVC	34	
BRW	13		WVC	35	
BRD	14		WVC	36	
OSR	15		WVC	37	
SSR	16		SAM	38	
LBR	17		WVC	39	
WOP	18		VGE	40	
SSR	19		VGE	41	
COB	20		VGE	42	
CNS	21		VGE	43	
FES	22		VGE	44	

**Soil Map unit Symbol
Conversion Legend**

Harrison County, Indiana
(See footnotes on page 22)

Field symbols	Publi- cation symbol
AeoB2	AeoB2
AeoC2	AeoC2
AfB	AeoB2
AfC2(1)	AeoC2
AfC2(15)	EesC2
AfC2(2)	KxtC2
AfF2(10)	BvsG
AfF2(2)	CbrD2
AfF2(9)	CcaG
AfF2(15)	EesFQ
AgzB	AgzB
Ba(15)	BbhA
Ba(2)	BuoA
Ba(8)	LaaA
Ba(17)	NbhAQ
BbC2(2)	CteC2
BbC2(4)	KxoC2
BbC2(22)	UnSB
BbD2	VcbD2
BbhA	BbhA
BcB2	CtaB
BcC2	KxkC2

Field symbols	Publi- cation symbol
BcD2(7)	KxmE2
BcD2(4)	KxpD2
BcD2(22)	UflC
BcD2(2)	VcbD2
BcrAW	BcrAW
BdA	BdoA
BdB2	BdoB
BdoA	BdoA
BdoB	BdoB
BeC2	KxkC2
BeD2(7)	KxmE2
BeD2(22)	UflC
BeD2(2)	VcbD2
BeE2(4)	KxpD2
BeE2(2)	VcbD2
BeF2(9)	CcaG
BeF2(7)	KxmE2
BeF2(4)	KxpD2
BfC2(2)	CteC2
BfC2(4)	KxoC2
BfD2(4)	KxpD2
BfD2(22)	UflC
BfD2(2)	VcbD2
BkC3(7)	KxlC3
BkC3(4)	KxrC3

Field symbols	Publi- cation symbol
BkC3(22)	UnSB
BkC3(5)	VcaC3
BkeC2	BkeC2
BlB3	CtaB
BlC3(7)	KxlC3
BlC3(22)	UflC
BlC3(5)	VcaC3
BmC3(7)	KxlC3
BmD3(7)	KxlE3
BmD3(5)	VccD3
BmE3(7)	KxlE3
BmE3(4)	KxsD3
BmE3(22)	UflC
BmE3(5)	VccD3
BnA	BdoA
BnB2	BdoB
BnB3	BdoB
BpC3(7)	KxlC3
BpC3(4)	KxrC3
BpC3(22)	UnSB
BpC3(5)	VcaC3
BpD3(7)	KxlE3
BpD3(4)	KxsD3
BpD3(22)	UflC
BpD3(5)	VccD3

Field symbols	Publication symbol
BtD5(6)	CbxD4
BtD5(5)	VccD3
BuoA	BuoA
BvsG	BvsG
CbrD2	CbrD2
CbsD3	CbsD3
CbxD4	CbxD4
CcaG	CcaG
CkB2	CtaB
CoF(10)	BvsG
CoF(9)	CcaG
CrB2(2)	CtaB
CrB2(7)	CtwB
CrC2(2)	CteC2
CrC2(7)	KxkC2
Crc2(22)	UflC
CsB3(2)	CtaB
CsB3(5)	VcaC3
CsC3(7)	KxlC3
CsC3(22)	UflC
CsC3(5)	VcaC3
CtaB	CtaB
CtC2(2)	CteC2
CtC2(4)	KxoC2
CtC2(3)	KxtC2

Field symbols	Publication symbol
CtC2(22)	UnsB
CtC3(7)	KxlC3
CtC3(4)	KxrC3
CtC3(3)	KxtC3
CtC3(22)	UnsB
CtC3(5)	VcaC3
CteC2	CteC2
CtwB	CtwB
CwaAQ	NprAQ
DeaC2	DeaC2
DeaC3	DeaC3
Ebhd2	Ebhd2
Ebhd3	Ebhd3
EepA	EepA
EepB2	EepB2
EepC2	EepC2
EesA	EesA
EesB	EesB
EesC2	EesC2
EesFQ	EesFQ
ElA(15)	EepA
ElA(17)	NprAQ
ElA(23)	Uaa
ElA(22)	UekAQ
ElB2(15)	EepB2

Field symbols	Publication symbol
ElB2(22)	UekAQ
ElC2	EepC2
ElC3	EepC2
GacAW	GacAW
GbgB2	GbgB2
GbgC2	GbgC2
GbgC3	GbgC3
GfcF	GfcF
GgbG	GgbG
Gld2	Ebhd2
Gld3	Ebhd3
Gle2(11)	Ebhd2
Gle2(12)	RmcE
GmaG	GmaG
GpF	GfcF
GuD5	Ebhd3
HaC2	KxtC2
HaD2	CbrD2
HaE2	CbrD2
HcaA	HcaA
HcgAH	HcgAH
HcgAW	HcgAW
HcpAP	HcpAP
HgC3	KxtC3
HgD3	CbsD3

Field symbols	Publication symbol
HgE3	CbsD3
Hm(18)	BcrAW
Hm(20)	HcgAH
Hm(21)	HcgAW
Hm(19)	KunAW
Hm(22)	UekAQ
Ho	HcpAP
Hu(20)	HufAH
Hu(21)	HufAK
HufAH	HufAH
HufAK	HufAK
HukC2	KxtC2
HukC3	KxtC3
Jo	JoaA
JoaA	JoaA
KunAW	KunAW
KxkC2	KxkC2
KxlC3	KxlC3
KxlE3	KxlE3
KxmE2	KxmE2
KxoC2	KxoC2
KxpD2	KxpD2
KxrC3	KxrC3
KxsD3	KxsD3
KxtC2	KxtC2

Field symbols	Publication symbol
KxtC3	KxtC3
Laa	LaaA
LaaA	LaaA
LpoAK	LpoAK
LpoAQ	LpoAQ
MaB2	PhwB2
MaD2	MdlD2
MaF	McnGQ
McD3	MdwD3
McnGQ	McnGQ
MdlD2	MdlD2
MdwD3	MdwD3
Mg	MhuA
MhuA	MhuA
Mo	LaaA
NbhAK	NbhAK
NbhAQ	NbhAQ
Ne	NbhAK
No	WbkAP
NprAQ	NprAQ
Omz	Omz
PcrA	PcrA
PcrB2	PcrB2
PeA(17)	LpoAQ
PeA(15)	PcrA

Field symbols	Publication symbol
PeA(22)	UekAQ
PeB2	PcrB2
PhwB2	PhwB2
Pml	Pml
Pn	Ppu
Ppu	Ppu
PrC2	BkeC2
PrD2	BkeC2
Qu	Pml
RbpAQ	NbhAQ
RmcE	RmcE
ScA(16)	ScbA
ScA(17)	WycAQ
ScB2(16)	ScbB2
ScB2(17)	WycAQ
ScbA	ScbA
ScbB2	ScbB2
SfyB	SfyB
StaaAQ	LpoAQ
StdAQ	NbhAQ
TlB2(11)	AgzB
TlB2(12)	GbgB2
Uaa	Uaa
Ud	Uaa
UekAQ	UekAQ

Field symbols	Publication symbol
UflC	UflC
UnsB	UnsB
UoG	CcaG
Usl	Usl
VcaC3	VcaC3
VcbD2	VcbD2
VccD3	VccD3
W	W
WbF(11)	GfcF
WbF(13)	GgbG
WbF(14)	GmaG
WbkAP	WbkAP
Wc(16)	HcaA
Wc(17)	NbhAQ
WeC2(11)	DeaC2
WeC2(12)	GbgC2
WeC3(11)	DeaC3
WeC3(12)	GbgC3
WeD2(11)	Ebhd2
WeD2(12)	RmcE
WeD3(11)	Ebhd3
WeD3(12)	RmcE
WgA	EesA
WgB2	EesB
WhC2	EesC2

Field symbols	Publication symbol
WhC3	EesC2
WhE2	EesFQ
WycAQ	WycAQ
ZaC2(11)	DeaC2
ZaC2(12)	GbgC2
ZaC3(11)	DeaC3
ZaC3(12)	GbgC3
ZaD2(11)	Ebhd2
ZaD2(12)	RmcE

(Footnotes indicate field symbols that were correlated to more than one publication symbol with the landform and soil properties that were used to separate them.)

Footnotes:

(1) Uplands with thick loess
(2) Upland karst, with loess over clayey residuum
(3) Upland karst, transitional to MLRA 120B
(4) Upland karst, transitional to MLRA 120C
(5) Upland karst, severely eroded
(6) Upland karst, very severely eroded
(7) Upland non-karst, transitional to MLRA 120C
(8) Upland depressions with loess over clayey paleosol
(9) Upland hillslopes underlain by limestone
(10) Colluvial hillslopes at the base of bluffs
(11) Hills and benches in MLRA 120B
(12) Hills underlain by unconsolidated material derived from sandstone in MLRA 122
(13) Hills underlain with hard siltstone bedrock in MLRA 120C
(14) Hills underlain with soft siltstone bedrock in MLRA 120C

(15) Stream terraces with loess over alluvium
(16) Stream terraces with alluvium
(17) Flood-plain steps
(18) Narrow flood plains and alluvial fans in MLRA 120C
(19) Narrow flood plains underlain with hard limestone bedrock in MLRA 122
(20) Flood plains that are frequently flooded
(21) Flood plains that are occasionally flooded
(22) Urban land
(23) Cut and fill areas

CLASSIFICATION OF PEDONS SAMPLED FOR LABORATORY ANALYSIS

Laboratory Data from the NSSC Soil Survey Lab:

<u>Approved Series (2007)</u>	<u>Sampled as</u>	<u>Soil Survey Sample No.</u>
Apalona	Zanesville	55IN-061-001 ^{1/}
Apalona	Zanesville	S01IN-061-003 ^{1/}
Bedford	Bedford	S05IN-061-005
Caneyville (taxadjunct)	Caneyville	S05IN-061-006
Crider	Crider	S01IN-061-004 ^{1/}
Crider	Crider	S01IN-061-007 ^{1/}
Crider	Crider	S05IN-061-008
Gatton	Tilsit	S01IN-061-006 ^{1/}
Gatton	Sonora	S05IN-061-0010 ^{1/}
Kintner	Kintner	S05IN-061-001
Kintner (OSD)	Kintner	S05IN-061-002
Newark	Rahm	S05IN-061-003
Riney	Riney	S05IN-061-009 ^{1/}
Woodmere (taxadjunct)	Woodmere	S05IN-061-004
Vertrees	Knobcreek	S01IN-061-001 ^{1/}
Vertrees	Knobcreek	S01IN-061-002 ^{1/}
Vertrees	Knobcreek	S01IN-061-005 ^{1/}
Vertrees (taxadjunct)	Vertrees	S05IN-061-007

^{1/} Sampled for base status only.

Laboratory Data from the Purdue University Lab:

<u>Approved Series (2007)</u>	<u>Sampled as</u>	<u>Soil Survey Sample No.</u>
Crider	Crider	S66IN31-2
Vertrees	Frederick	S66IN31-1

Engineering Test Data from the Soils and Pavement Design Lab, Joint Highway Research Project, School of Civil Engineering, Purdue University, Report S-66IN-31, (See Table 6. 1975 Harrison County, Indiana Soil Survey):

<u>Approved Series (2007)</u>	<u>Sampled as</u>
Bedford	Bedford
Crider	Crider
Elkinsville	Elkinsville
Johnsburg	Johnsburg
Vertrees	Baxter
Vertrees	Crider, cherty substratum

Notes to accompany the Classification and Correlation of the Soils of Harrison County, Indiana by Byron G. Nagel.

Alvin Series

The Alvin soils in Harrison Co. are considered to be in the active CEC class, based on data from Perry County on the same landform position. They are considered taxadjuncts. They classify as coarse-loamy, mixed, active, mesic Typic Hapludalfs. The MLRA typical pedon representative of these soils is from Perry Co., Indiana.

Bartle Series

The Bartle soils correlated in the 1975 Soil Survey were remapped and correlated to 3 soil series as follows: Laconia soils for poorly drained, depressional soils in the karst upland; Bromer soils for somewhat poorly drained, nearly level soils in the karst upland; and Bartle soils on stream terraces. The Bartle soils do not have a subhorizon above 1 meter that meets the requirements for a fragipan. These soils have Fragic Soil Properties. They are considered taxadjuncts. The typical pedon representative of these soils is from Floyd Co., IN.

Bedford Series

The typical pedon representative of these soils is from Washington Co., IN (OSD). Bedford soils in Harrison County have a slightly lower base status based on the pedon sampled and analyzed from Harrison County at the NSSL. They are not considered taxadjuncts.

Brussels Series

Brussels soils in Harrison County have the following properties outside the OSD RIC: rubbly surface phase; higher Ksat values in the solum (moderate to moderately rapid permeability range); 5YR hue range in Bw horizon. In addition, this soil is considered to be borderline loamy-skeletal. These soils were included with Corydon soils in the 1975 Soil Survey. The Brussels component in the Data Mapunit will be populated for the noted above soil properties.

Caneyville

The Caneyville soils associated with the Vertrees soils in the CteC2, VcaC3, VcbD2 and VccD3 map units, have a lower CEC activity class (semiactive, 0.37), and are in the very fine particle size class (73.7% clay average). They are considered taxadjuncts.

Gatton series

The typical pedon representative of these soils is from Floyd Co., IN (MLRA 122 pedon). Gatton soils in Floyd and Harrison Counties are formed in loess and the underlying loamy and sandy sediments considered to be a submarine channel fill. Geological references to this origin and characteristics of this parent material from which these soils formed are: 1) "Bethel Sandstone of Western Kentucky and South-central Indiana", A Submarine-channel Fill, Kentucky Geological Survey Series X, 1969,; and 2) Indiana Geological Survey publication Bulletin No. 21 "Stratigraphy of the Ohio River Formation" proposes this sediment is of marine origin. These soils were included in mapping with Tilsit and Zanesville soils in the 1975 Soil Survey (MLRA 122). Gatton soils in Harrison County are in the fine-silty particle-size family class, and therefore are considered taxadjuncts.

Johnsburg Series

The Johnsburg soils in Harrison Co. do not have a subhorizon above 1 meter that meets the requirements for a fragipan. These soils have Fragic Soil Properties. In addition, base status data collected on associated soils place these soils into the Alfisol order. They classify as fine-silty, mixed, active, mesic Fragiaquic Hapludalfs. They are considered taxadjuncts. The typical pedon representative of these soils is from Harrison Co., Indiana.

Kintner series

The Kintner series was established for soils that were formerly included in mapping with Haymond soils in the 1975 Soil Survey. The OSD type location is from Harrison County. Kintner soils classify as loamy-skeletal, mixed, active, mesic Oxyaquic Eutrudepts. They are underlain with a lithic contact (indurated limestone).

Lindside series

The Lindside soils in the LpoAQ map unit, which are on a flood-plain step in tributaries to the Ohio River, have the following soil properties: 1) a pH range in the solum and substratum of 5.1 to 6.5. They are considered to have a regular decrease in organic-carbon content between 25 and 125 cm, and therefore are considered taxadjuncts. They classify as Aquic Dystric Eutrudepts.

Laconia series

The Laconia series is established by this correlation for soils that were included in mapping with Bartle soils, in depressions within the karst upland, in the 1975 Soil Survey.

Newark series

The Newark soils in the NbhaAQ map unit, which are on a flood-plain step in tributaries to the Ohio River, have the following soil properties: 1) a pH range in the solum and substratum of 5.1 to 6.5. They are considered to have a regular decrease in organic-carbon content between 25 and 125 cm, and therefore are considered taxadjuncts. They classify as Aeric Endoaquepts.

Nolin series

The Nolin soils in Harrison County (NpraAQ map unit), which are on a flood-plain step in tributaries to the Ohio River, have the following soil properties: 1) a pH range in the solum and substratum of 5.1 to 6.5. They are considered to have a regular decrease in organic-carbon content between 25 and 125 cm, and therefore are considered taxadjuncts. They classify as Dystric Eutrudepts.

Pekin series

The Pekin soils in Harrison Co. do not have a subhorizon above 1 meter that meets the requirements for a fragipan. These soils have Fragic Soil Properties. They are considered taxadjuncts. They classify as fine-silty, mixed, active, mesic Fragiaquic Hapludults. The MLRA typical pedon representative of these soils is from Floyd Co., IN.

Riney Series

The Riney soils in Harrison Co. are formed in loamy and sandy sediments considered to be a submarine-channel fill. These soils were included in mapping with Wellston soils (MLRA 122) in the 1975 Soil Survey. Riney soils classify as fine-loamy, siliceous, semiactive, mesic Typic Hapludults. Siliceous mineralogy of the Riney soils in Harrison is estimated.

Sciotoville series

The Sciotoville soils in Harrison Co. do not have a subhorizon above 1 meter that meets the requirements for a fragipan. These soils have Fragic Soil Properties. They are considered taxadjuncts. The typical pedon representative of these soils is from Perry Co., IN. (MLRA pedon)

Tipsaw Series

The amount of pararock and rock fragments needs to be evaluated throughout the MLRA to determine if the particle-size class of this soil is dominantly coarse-loamy or loamy-skeletal.

Vertrees Series

Vertrees soils in Harrison County have a stony clay layer range in the subsoil which is outside the OSD RIC. The gravel content in the surface layer varies from 1 to 30% in map units. The typical pedon samples and analyzed at the NSSL was field estimated at 25%, and measured to be about 20%. The map units with Vertrees components are complexes. The CteC2 and VcbD2 map units with Vertrees components will allow up to 10% rock fragments with an Rv value of 2%. The VcaC3 and VccD3 map units with Vertrees components will range from 8 to 30% rock fragments with an Rv value of about 20%. The Vertrees soils are in the very fine particle size class (72.7% clay average). They are considered taxadjuncts.

Woodmere Series

The Woodmere soils in Harrison Co. are in the fine-silty particle size class, and they have a base saturation of less than 60% in all horizons between 25 and 75 cm. They are considered taxadjuncts. They classify as fine-silty, mixed, active, mesic Aquic Dystrudepts. The MLRA typical pedon representative of these soils is from Harrison Co., Indiana.

Harrison County, Indiana
Taxonomic Classification of the Soils

(An asterisk in the first column indicates a taxadjunct to the series. See text for a description of those characteristics that are outside the range of the series.)

Soil name	Family or higher taxonomic class
Alford-----	Fine-silty, mixed, superactive, mesic Ultic Hapludalfs
*Alvin-----	Coarse-loamy, mixed, active, mesic Typic Hapludalfs
Apalona-----	Fine-silty, mixed, active, mesic Oxyaquic Fragiudalfs
*Bartle-----	Fine-silty, mixed, active, mesic Aeris Fragic Epiaqualfs
Beanblossom-----	Loamy-skeletal, mixed, active, mesic Fluventic Dystrudepts
Bedford-----	Fine-silty, mixed, active, mesic Oxyaquic Fragiudalfs
Bloomfield-----	Sandy, mixed, mesic Lamellic Hapludalfs
Bromer-----	Fine-silty, mixed, active, mesic Aeris Fragic Epiaqualfs
Brownstown-----	Loamy-skeletal, mixed, active, mesic Typic Dystrudepts
Brussels-----	Clayey-skeletal, mixed, superactive, mesic Typic Hapludolls
Caneyville-----	Fine, mixed, active, mesic Typic Hapludalfs
*Caneyville-----	Very-fine, mixed, semiactive, mesic Typic Hapludalfs
Crider-----	Fine-silty, mixed, active, mesic Typic Paleudalfs
Deuchars-----	Fine-silty, mixed, active, mesic Oxyaquic Hapludalfs
Ebal-----	Fine, mixed, active, mesic Oxyaquic Hapludalfs
Elkinsville-----	Fine-silty, mixed, active, mesic Ultic Hapludalfs
Gatchel-----	Loamy-skeletal, mixed, superactive, mesic Dystric Fluventic Eutrudepts
*Gatton-----	Fine-silty, mixed, active, mesic Oxyaquic Fragiudalfs
Gilpin-----	Fine-loamy, mixed, active, mesic Typic Hapludults
Gilwood-----	Fine-loamy, mixed, semiactive, mesic Typic Hapludults
Gnawbone-----	Fine-silty, mixed, semiactive, mesic Typic Hapludults
Haggatt-----	Fine, mixed, active, mesic Typic Hapludalfs
Hatfield-----	Fine-silty, mixed, active, mesic Aeris Fragic Epiaqualfs
Haymond-----	Coarse-silty, mixed, superactive, mesic Dystric Fluventic Eutrudepts
Huntington-----	Fine-silty, mixed, active, mesic Fluventic Hapludolls
*Johnsburg-----	Fine-silty, mixed, active, mesic Fragic Epiaqualfs
Kintner-----	Loamy-skeletal, mixed, active, mesic Oxyaquic Eutrudepts
Knobcreek-----	Fine-silty over clayey, mixed, active, mesic Typic Paleudalfs
Kurtz-----	Fine-silty, mixed, semiactive, mesic Ultic Hapludalfs
Laconia-----	Fine-silty, mixed, active, mesic Typic Endoaqualfs
Lindside-----	Fine-silty, mixed, active, mesic Fluvaquentic Eutrudepts
*Lindside-----	Fine-silty, mixed, active, mesic Aquic Dystric Eutrudepts
Markland-----	Fine, mixed, active, mesic Typic Hapludalfs
McGary-----	Fine, mixed, active, mesic Aeris Epiaqualfs
Millstone-----	Fine-loamy, mixed, active, mesic Typic Hapludults
Navilleton-----	Fine-silty, mixed, active, mesic Typic Paleudalfs
Newark-----	Fine-silty, mixed, active, nonacid, mesic Fluventic Endoaquepts
*Newark-----	Fine-silty, mixed, active, nonacid, mesic Aeris Endoaquepts
*Nolin-----	Fine-silty, mixed, active, mesic Dystric Eutrudepts
Orthents-----	Orthents

Harrison County, Indiana Taxonomic Classification of the Soils - continued

Soil name	Family or higher taxonomic class
*Pekin-----	Fine-silty, mixed, active, mesic Fraguaquic Hapludults
Percell-----	Fine-silty, mixed, active, mesic Oxyaquic Hapludalfs
Riney-----	Fine-loamy, siliceous, semiactive, mesic Typic Hapludults
*Sciotoville-----	Fine-silty, mixed, active, mesic Fraguaquic Hapludalfs
Shircliff-----	Fine, mixed, active, mesic Oxyaquic Hapludalfs
Tipsaw-----	Coarse-loamy, mixed, semiactive, mesic Typic Dystrudepts
Udarents-----	Udarents
Udorthents-----	Udorthents
Udorthents, rubbish-----	Udorthents
*Vertrees-----	Very-fine, mixed, semiactive, mesic Typic Paleudalfs
Wellston-----	Fine-silty, mixed, active, mesic Ultic Hapludalfs
Wilbur-----	Coarse-silty, mixed, superactive, mesic Fluvaquentic Eutrudepts
*Woodmere-----	Fine-silty, mixed, active, mesic Aquic Dystrudepts
Zanesville-----	Fine-silty, mixed, active, mesic Oxyaquic Fragiudalfs

Certification Statement

The MLRA Region 11 Team Leader certifies that:

- a. The update of soil maps was completed in January 2007. Soil maps were updated by use of ARC-MAP, topographic quadrangles, and photo interpretation.
- b. Harrison County joins the following survey areas:

Floyd County to the east, correlated in May 2000

Washington County to the north, published in October 1988

Crawford County to the west, correlated in October 1995

*An exact join was made with the Floyd County subset.
An exact join was not made with the Crawford and Washington County subsets at this time, and will be completed when these survey areas are updated to the MLRA legend. An acceptable join has been made with these two counties.*

A General Soil Map (GSM) was not updated at this time and will be updated as the part of the update of the General Soil Map units for MLRA's 120B, 120C and 122. Therefore, a GSM join was not made with the adjoining subsets.
- c. Interpretations have been coordinated, and generally agree with adjoining survey areas.
- d. The location of all typical pedons has been checked for correct location and for soil delineations using that name. Typical pedons are those that are representative of taxonomic units within MLRA's 120B, 120C, and 122. Typical pedons are located within the survey subset areas of MLRA's 120B, 120C, and 122.
- e. All typical pedons are classified according to the Keys of Soil Taxonomy, Tenth edition, 2006.
- f. The updated digital soil maps have been reviewed for completeness, accuracy and consistency.

Approval Signatures

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